RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

| Application Serial Number: | 10/572,905 |
|----------------------------|------------|
| Source: | IFWP. |
| Date Processed by STIC: | 03/31/2006 |
| | |

ENTERED



IFWP

RAW SEQUENCE LISTING DATE: 03/31/2006
PATENT APPLICATION: US/10/572,905 TIME: 12:20:40

Input Set : A:\127189seqlisttext-mlm.txt
Output Set: N:\CRF4\03292006\J572905.raw

3 <110 > APPLICANT: COMBARET, Valerie

```
KRAUSE, Alexander
      4
      5
              PUISIEUX, Alain
              LACROIX, Bruno
      8 <120> TITLE OF INVENTION: Method for neuroblastoma diagnosis/prognosis
     10 <130> FILE REFERENCE: 127189
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/572,905
C--> 13 <141> CURRENT FILING DATE: 2006-03-21
     15 <150> PRIOR APPLICATION NUMBER: FR03/11483
     16 <151> PRIOR FILING DATE: 2003-10-01
     18 <160> NUMBER OF SEQ ID NOS: 67
     20 <170> SOFTWARE: PatentIn version 3.1
     22 <210> SEQ ID NO: 1
     23 <211> LENGTH: 2265
     24 <212> TYPE: DNA
     25 <213> ORGANISM: Homo sapiens
     27 <400> SEQUENCE: 1
     28 agtcctgcga tttcgggtgt agagggagca ggggcctgcg gggacctggt gtgggtggag
                                                                               60
     30 tggggacaag cggtggagaa gggtacgcca gggtcgctga gagactctgt tctccctgga
                                                                              120
     32 gggactggtt gccatgagag cagccgtctg aggggacgca gcctgcacta cgcgccccaa
                                                                              180
     34 gaggetgtge gtggegagea ggteaegtga egggagegeg ggetttggaa ggeggetgaa
                                                                              240
     36 cgtcaggcca cccgccgcta agctgagaag ggagagcgag cttaggaccg cctqcccqqq
                                                                              300
     38 gcaaccccga accaagettt agecgeegag geegegtgte ccaaaggeea gteateeete
                                                                              360
     40 ctctgtgttg ccatgggaat tcaaggcctg gccaaactaa ttgctgatgt qqcccccaqt
                                                                              420
     42 gccatccggg agaatgacat caagagctac tttggccgta aggtggccat tgatgcctct
                                                                              480
     44 atgagcattt atcagtteet gattgetgtt egecagggtg gggatgtget geagaatgag
                                                                              540
     46 gagggtgaga ccaccagcca cctgatgggc atgttctacc gcaccattcg catgatggag
                                                                              600
     48 aacggcatca agcccgtgta tgtctttgat ggcaagccgc cacagctcaa gtcaqqcqaq
                                                                              660
     50 ctggccaaac gcagtgagcg gcgggctgag gcagagaagc agctgcagca ggctcaggct
                                                                              720
     52 gctggggccg agcaggaggt ggaaaaattc actaagcggc tggtgaaggt cactaagcag
                                                                              780
     54 cacaatgatg agtgcaaaca tetgetgage eteatgggca teeettatet tgatgeacee
                                                                              840
    56 agtgaggcag aggccagctg tgctgccctg gtgaaggctg gcaaagtcta tgctgcggct
                                                                              900
    58 accgaggaca tggactgcct caccttcggc agccctgtgc taatgcgaca cctqactqcc
                                                                              960
     60 agtgaagcca aaaagctgcc aatccaggaa ttccacctga gccggattct gcaggagctg
                                                                             1020
     62 ggcctgaacc aggaacagtt tgtggatctg tgcatcctgc taggcagtga ctactgtgag
                                                                             1080
     64 agtatccggg gtattgggcc caagcgggct gtggacctca tccagaagca caagagcatc
                                                                             1140
     66 gaggagateg tgeggegaet tgaececaae aagtaeeetg tgecagaaaa ttggeteeae
                                                                             1200
     68 aaggaggete accagetett ettggaaeet gaggtgetgg acccagagte tgtggagetg
                                                                             1260
    70 aagtggagcg agccaaatga agaagagctg atcaagttca tgtgtggtga aaagcagttc
                                                                             1320
    72 tetgaggage gaateegeag tggggteaaq aqqetqaqta aqaqeeqeea aqqeaqeace
                                                                             1380
    74 cagggccgcc tggatgattt cttcaaggtg accggctcac tctcttcagc taagcgcaag
                                                                             1440
    76 gagccagaac ccaagggatc cactaagaag aaggcaaaga ctggggcagc agggaagttt
                                                                             1500
    78 aaaaggggaa aataaatgtg tttccccatt atacctcctt caccccagaa tatttgccgt
                                                                             1560
```

RAW SEQUENCE LISTING DATE: 03/31/2006 PATENT APPLICATION: US/10/572,905 TIME: 12:20:41

Input Set : A:\127189seqlisttext-mlm.txt
Output Set: N:\CRF4\03292006\J572905.raw

| 80 cttgtaccct taagagctac agctagagaa accttcacgg ggtggagaga ggattctaag 1620 |
|--|
| 82 gcttttctag cgtgaccctt ttcagtagtg ctagtccctt ttttacttga tcttaatggc 1680 |
| 84 aagaaggcca cagaggtact tttccttttt tagctcagga aaatatgtca ggctcaaacc 1740 |
| 86 actteteagg cagtttaatg gacaetaagt ceattgttae atgaaagtga tagatageaa 1800 |
| 88 caagttttgg agaagagaga gggagataaa agggggagac aaaagatgta cagaaatgat 1860 |
| 90 ttcctggctg gccaactggt ggccagtggg aggtgatggt ggacctagac tgtgcttttc 1920 |
| 92 tgtcttgttc agccttgacc caccttgaga gagagccacc aggaaggcgc atcttagcag 1980 |
| 94 atgggaggaa ctgctgagag aagatgggca gaaagctgga gcccctggag ttggctgtgt 2040 |
| 96 ctgtgtttgt gactgattac tggctgtgtc ttgggtgggc agaaactcga acttgctatg 2100 |
| 98 taatttgtgt ctagttattc agaggagtaa gatggtgatg ttcacctggc aatcagctga 2160 |
| 100 gttgagactt tggaataaga cactggtttt catgcgctgt ttttgtttta aagttatgaa 2220 |
| 102 gaaaaaagtc aataaaattc taaaagtaaa aaaaaaaaaa |
| 105 <210> SEQ ID NO: 2 |
| 106 <211> LENGTH: 783 |
| 107 <212> TYPE: DNA |
| 108 <213> ORGANISM: Homo sapiens |
| 110 <400> SEQUENCE: 2 |
| 111 ggcacgagcg agttcctgtc tctctgccaa cgccgcccgg atggcttccc aaaaccgcga 60 |
| 113 cccagccgcc actagcgtcg ccgccgcccg taaaggagct gagccgagcg ggggcgccgc 120 |
| 115 ccggggtccg gtgggcaaaa ggctacagca ggagctgatg accctcatga tgtctggcga 180 |
| 117 taaagggatt tctgccttcc ctgaatcaga caaccttttc aaatgggtag ggaccatcca 240 |
| 119 tggagcagct ggaacagtat atgaagacct gaggtataag ctctcgctag agttccccag 300 |
| 121 tggctaccct tacaatgcgc ccacagtgaa gttcctcacg ccctgctatc accccaacgt 360 |
| 123 ggacacccag ggtaacatat gcctggacat cctgaaggaa aagtggtctg ccctgtatga 420 |
| 125 tgtcaggacc attctgctct ccatccagag ccttctagga gaacccaaca ttgatagtcc 480 |
| 127 cttgaacaca catgctgccg agctctggaa aaaccccaca gcttttaaga agtacctgca 540 |
| 129 agaaacctac tcaaagcagg tcaccagcca ggagccctga cccaggctgc ccagcctgtc 600 |
| 131 cttgtgtcgt ctttttaatt tttccttaga tggtctgtcc tttttgtgat ttctgtatag 660 |
| 133 gactetttat ettgagetgt ggtatttttg ttttgttttt gtettttaaa ttaageeteg 720 |
| 135 gttgagccct tgtatattaa ataaatgcat ttttgtcctt ttttaaaaaa aaaaaaaaa 780 |
| 137 aaa 783 |
| 140 <210> SEQ ID NO: 3 |
| 141 <211> LENGTH: 1124 |
| 142 <212> TYPE: DNA |
| 143 <213> ORGANISM: Homo sapiens |
| 145 <400> SEQUENCE: 3 |
| 146 geogetgeea eegeaceeeg ceatggageg geogtegetg egegeeetge teeteggege 60 |
| 148 cgctgggctg ctgctcctgc tcctgcccct ctcctcttcc tcctcttcgg acacctgcgg 120 |
| 150 cccctgcgag ccggcctcct gcccgccct gccccgctg ggctgcctgc |
| 152 ccgcgacgcg tgcggctgct gccctatgtg cgcccgcggc gagggcgagc cgtgcggggg 240 |
| 154 tggcggcgcc ggcagggggt actgcgcgcc gggcatggag tgcgtgaaga gccgcaagag 300 |
| 156 geggaagggt aaageegggg cageageegg eggteegggt gtaageggeg tgtgegtgtg 360 |
| 158 caagageege tacceggtgt geggeagega eggeaceace taccegageg getgeeaget 420 |
| 160 gcgcgccgcc agccagaggg ccgagagccg cggggagaag gccatcaccc aggtcagcaa 480 |
| 162 gggcacctgc gagcaaggtc cttccatagt gacgcccccc aaggacatct ggaatgtcac 540 |
| 164 tggtgcccag gtgtacttga gctgtgaggt catcggaatc ccgacacctg tcctcatctg 600 |
| 166 gaacaaggta aaaaggggtc actatggagt tcaaaggaca gaactcctgc ctggtgaccg 660 |
| 168 ggacaacctg gccattcaga cccggggtgg cccagaaaag catgaagtaa ctggctgggt 720 |
| 170 gctggtatct cctctaagta aggaagatgc tggagaatat gagtgccatg catccaattc 780 |

RAW SEQUENCE LISTING DATE: 03/31/2006 PATENT APPLICATION: US/10/572,905 TIME: 12:20:41

Input Set : A:\127189seqlisttext-mlm.txt
Output Set: N:\CRF4\03292006\J572905.raw

| 172 | ccaaggacag | gcttcagcat | cagcaaaaat | tacagtggtt | gatgccttac | atgaaatacc | 840 | | |
|-----|--------------------------------|------------|------------|------------|------------|------------|------|--|--|
| | | | | | atattattag | | 900 | | |
| 176 | taaaagtagt | catggataac | tacattacct | gttcttgcct | aataagtttc | ttttaatcca | 960 | | |
| 178 | atccactaac | actttagtta | tattcactgg | ttttacacag | agaaatacaa | aataaagatc | 1020 | | |
| 180 | acacatcaag | actatctaca | aaaatttatt | atatatttac | agaagaaaag | catgcatatc | 1080 | | |
| 182 | attaaacaaa | taaaatactt | tttatcacaa | aaaaaaaaa | aaaa | _ | 1124 | | |
| 185 | <210> SEQ 3 | ID NO: 4 | | | | | | | |
| 186 | <211> LENGT | ΓH: 5084 | | | | | | | |
| | 7 <212> TYPE: DNA | | | | | | | | |
| 188 | 3 <213> ORGANISM: Homo sapiens | | | | | | | | |
| 190 | <400> SEQUE | ENCE: 4 | | | | | | | |
| 191 | agcaccacgg | cagcaggagg | tttcggctaa | gttggaggta | ctggccacga | ctgcatgccc | 60 | | |
| 193 | gcgcccgcca | ggtgatacct | ccgccggtga | cccaggggct | ctgcgacaca | aggagtctgc | 120 | | |
| 195 | atgtctaagt | gctagacatg | ctcagctttg | tggatacgcg | gactttgttg | ctgcttgcag | 180 | | |
| 197 | taaccttatg | cctagcaaca | tgccaatctt | tacaagagga | aactgtaaga | aagggcccag | 240 | | |
| 199 | ccggagatag | aggaccacgt | ggagaaaggg | gtccaccagg | cccccaggc | agagatggtg | 300 | | |
| 201 | aagatggtcc | cacaggccct | cctggtccac | ctggtcctcc | tggcccccct | ggtctcggtg | 360 | | |
| 203 | ggaactttgc | tgctcagtat | gatggaaaag | gagttggact | tggccctgga | ccaatgggct | 420 | | |
| 205 | taatgggacc | tagaggccca | cctggtgcag | ctggagcccc | aggccctcaa | ggtttccaag | 480 | | |
| 207 | gacctgctgg | tgagcctggt | gaacctggtc | aaactggtcc | tgcaggtgct | cgtggtccag | 540 | | |
| 209 | ctggccctcc | tggcaaggct | ggtgaagatg | gtcaccctgg | aaaacccgga | cgacctggtg | 600 | | |
| 211 | agagaggagt | tgttggacca | cagggtgctc | gtggtttccc | tggaactcct | ggacttcctg | 660 | | |
| 213 | gcttcaaagg | cattagggga | cacaatggtc | tggatggatt | gaagggacag | cccggtgctc | 720 | | |
| 215 | ctggtgtgaa | gggtgaacct | ggtgcccctg | gtgaaaatgg | aactccaggt | caaacaggag | 780 | | |
| 217 | cccgtgggct | tcctggtgag | agaggacgtg | ttggtgcccc | tggcccagct | ggtgcccgtg | 840 | | |
| 219 | gcagtgatgg | aagtgtgggt | cccgtgggtc | ctgctggtcc | cattgggtct | gctggccctc | 900 | | |
| 221 | caggcttccc | aggtgcccct | ggccccaagg | gtgaaattgg | agctgttggt | aacgctggtc | 960 | | |
| 223 | ctgctggtcc | cgccggtccc | cgtggtgaag | tgggtcttcc | aggcctctcc | ggccccgttg | 1020 | | |
| 225 | gacctcctgg | taatcctgga | gcaaacggcc | ttactggtgc | caagggtgct | gctggccttc | 1080 | | |
| 227 | ccggcgttgc | tggggctccc | ggcctccctg | gaccccgcgg | tattcctggc | cctgttggtg | 1140 | | |
| 229 | ctgccggtgc | tactggtgcc | agaggacttg | ttggtgagcc | tggtccagct | ggctccaaag | 1200 | | |
| 231 | gagagagcgg | taacaagggt | gagcccggct | ctgctgggcc | ccaaggtcct | cctggtccca | 1260 | | |
| 233 | gtggtgaaga | aggaaagaga | ggccctaatg | gggaagctgg | atctgccggc | cctccaggac | 1320 | | |
| 235 | ctcctgggct | gagaggtagt | cctggttctc | gtggtcttcc | tggagctgat | ggcagagctg | 1380 | | |
| 237 | gcgtcatggg | ccctcctggt | agtcgtggtg | caagtggccc | tgctggagtc | cgaggaccta | 1440 | | |
| 239 | atggagatgc | tggtcgccct | ggggagcctg | gtctcatggg | acccagaggt | cttcctggtt | 1500 | | |
| 241 | cccctggaaa | tatcggcccc | gctggaaaag | aaggtcctgt | cggcctccct | ggcatcgacg | 1560 | | |
| 243 | gcaggcctgg | cccaattggc | ccagctggag | caagaggaga | gcctggcaac | attggattcc | 1620 | | |
| 245 | ctggacccaa | aggccccact | ggtgatcctg | gcaaaaacgg | tgataaaggt | catgctggtc | 1680 | | |
| | | | | | tggtgctcag | | 1740 | | |
| 249 | gaccacaggg | tgttcaaggt | ggaaaaggtg | aacagggtcc | cgctggtcct | ccaggcttcc | 1800 | | |
| 251 | agggtctgcc | tggcccctca | ggtcccgctg | gtgaagttgg | caaaccagga | gaaaggggtc | 1860 | | |
| 253 | tccatggtga | gtttggtctc | cctggtcctg | ctggtccaag | aggggaacgc | ggtcccccag | 1920 | | |
| 255 | gtgagagtgg | tgctgccggt | cctactggtc | ctattggaag | ccgaggtcct | tctggacccc | 1980 | | |
| 257 | cagggcctga | tggaaacaag | ggtgaacctg | gtgtggttgg | tgctgtgggc | actgctggtc | 2040 | | |
| 259 | catctggtcc | tagtggactc | ccaggagaga | ggggtgctgc | tggcatacct | ggaggcaagg | 2100 | | |
| 261 | gagaaaaggg | tgaacctggt | ctcagaggtg | aaattggtaa | ccctggcaga | gatggtgctc | 2160 | | |
| 263 | gtggtgctca | tggtgctgta | ggtgcccctg | gtcctgctgg | agccacaggt | gaccggggcg | 2220 | | |
| 265 | aagctggggc | tgctggtcct | gctggtcctg | ctggtcctcg | gggaagccct | ggtgaacgtg | 2280 | | |

DATE: 03/31/2006

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/572,905 TIME: 12:20:41

Input Set : A:\127189seqlisttext-mlm.txt
Output Set: N:\CRF4\03292006\J572905.raw

267 gcgaggtcgg tcctgctggc cccaacggat ttgctggtcc ggctggtgct gctggtcaac 2340 269 cgggtgctaa aggagaaaga ggagccaaag ggcctaaggg tgaaaacggt gttgttqqtc 2400 271 ccacaggece egitiggaget getiggeceag etiggtecaaa tiggteceece qqtectqetq 2460 273 gaagtegtgg tgatggagge eeceetggta tgaetggttt eeetggtget getggaegga 2520 275 ctggtccccc aggaccctct ggtatttctg gccctcctgg tccccctggt cctgctggga 2580 277 aagaagggct tcgtggtcct cgtggtgacc aaggtccagt tggccgaact ggagaagtag 2640 279 gtgcagttgg tccccctggc ttcgctggtg agaagggtcc ctctggagag gctggtactg 2700 281 ctggacctcc tggcactcca ggtcctcagg gtcttcttgg tgctcctggt attctgggtc 2760 283 tecetggete gagaggtgaa egtggtetae etggtgttge tggtgetgtg ggtgaacetg 2820 285 gtcctcttgg cattgccggc cctcctgggg cccgtggtcc tcctggtgct gtgggtagtc 2880 287 ctggagtcaa cggtgctcct ggtgaagctg gtcgtgatgg caaccctggg aacgatggtc 2940 289 ccccaggtcg cgatggtcaa cccggacaca agggagagcg cggttaccct ggcaatattg 3000 291 gtcccgttgg tgctgcaggt gcacctggtc ctcatggccc cgtgggtcct gctggcaaac 3060 293 atggaaaccg tggtgaaact ggtccttctg gtcctgttgg tcctgctggt gctgttggcc 3120 295 caagaggtee tagtggeeea caaggeatte gtggegataa gggagageee ggtgaaaagg 3180 297 ggcccagagg tcttcctggc ttaaagggac acaatggatt gcaaggtctg cctqqtatcq 3240 299 ctggtcacca tggtgatcaa ggtgctcctg gctccgtggg tcctgctggt cctaqqqqcc 3300 301 ctgctggtcc ttctggccct gctggaaaag atggtcgcac tggacatcct ggtacggttg 3360 303 gacctgctgg cattcgaggc cctcagggtc accaaggccc tgctggcccc cctggtcccc 3420 305 ctggccctcc tggacctcca ggtgtaagcg gtggtggtta tgactttggt tacgatggag 3480 307 acttetacag ggetgaceag cetegeteag eacettetet cagacecaag gaetatgaag 3540 309 ttgatgctac tctgaagtct ctcaacaacc agattgagac ccttcttact cctgaaggct 3600 311 ctagaaagaa cccagctcgc acatgccgtg acttgagact cagccaccca gagtggagca 3660 313 gtggttacta ctggattgac cctaaccaag gatgcactat ggatgctatc aaagtatact 3720 315 gtgatttctc tactggcgaa acctgtatcc gggcccaacc tgaaaacatc ccagccaaga 3780 317 actggtatag gagetecaag gacaagaaac aegtetgget aggagaaact atcaatgetg 3840 319 gcagccagtt tgaatataat gtagaaggag tgacttccaa ggaaatggct acccaacttg 3900 321 ccttcatgcg cctgctggcc aactatgcct ctcagaacat cacctaccac tgcaagaaca 3960 323 gcattgcata catggatgag gagactggca acctgaaaaa ggctgtcatt ctacagggct 4020 325 ctaatgatgt tgaacttgtt getgagggea acageaggtt caettacaet gttettgtag 4080 327 atggctgctc taaaaagaca aatgaatggg gaaagacaat cattgaatac aaaacaaata 4140 329 agccatcacg cctgcccttc cttgatattg cacctttgga catcggtggt gctgaccatg 4200 331 aattetttgt ggacattgge ceagtetgtt teaaataaat gaacteaate taaattaaaa 4260 333 aagaaagaaa tttgaaaaaa ctttctcttt gccatttctt cttcttctt tttaactgaa 4320 335 agctgaatcc ttccatttct tctgcacatc tacttgctta aattgtgggc aaaagagaaa 4380 337 aagaaggatt gatcagagca ttgtgcaata cagtttcatt aactccttcc cccqctccc 4440 339 caaaaatttg aattttttt tcaacactct tacacctgtt atggaaaatg tcaacctttg 4500 341 taagaaaacc aaaataaaaa ttgaaaaata aaaaccataa acatttgcac cacttgtggc 4560 343 ttttgaatat cttccacaga gggaagttta aaacccaaac ttccaaaggt ttaaactacc 4620 345 tcaaaacact ttcccatgag tgtgatccac attgttaggt gctgacctag acagagatga 4680 347 actgaggtcc ttgttttgtt ttgttcataa tacaaaggtg ctaattaata gtatttcaga 4740 349 tacttgaaga atgttgatgg tgctagaaga atttgagaag aaatactcct gtattgagtt 4800 351 gtatcgtgtg gtgtattttt taaaaaattt gatttagcat tcatattttc catcttattc 4860 353 ccaattaaaa gtatgcagat tatttgccca aagttgtcct cttcttcaga ttcagcattt 4920 355 gttctttgcc agtctcattt tcatcttctt ccatggttcc acagaagctt tgtttcttgg 4980 357 gcaagcagaa aaattaaatt gtacctattt tgtatatgtg agatgtttaa ataaattgtg 5040 359 aaaaaaatga aataaagcat gtttggtttt ccaaaagaac atat 5084 362 <210> SEO ID NO: 5 363 <211> LENGTH: 2518

RAW SEQUENCE LISTING DATE: 03/31/2006 PATENT APPLICATION: US/10/572,905 TIME: 12:20:41

Input Set : A:\127189seqlisttext-mlm.txt
Output Set: N:\CRF4\03292006\J572905.raw

365 <213> ORGANISM: Homo sapiens 367 <400> SEQUENCE: 5 368 cttcgggtgt acgtgctccg ggatcttcag cacccgcggc cgccatcgcc gtcgcttggc 60 370 ttettetgga eteatetgeg ceaettgtee getteaeaet eegeegeeat eatggtgaag 120 372 ctcgcgaagg caggtaaaaa tcaaggtgac cccaagaaaa tggctcctcc tccaaaggaq 180 374 gtagaagaag atagtgaaga tgaggaaatg tcagaagatg aagaagatga tagcagtqqa 240 376 gaagaggtcg tcatacctca gaagaaaggc aagaaggctg ctgcaacctc agcaaagaag 300 378 gtggtcgttt ccccaacaaa aaaggttgca gttgccacac cagccaagaa agcagctgtc 360 380 actccaggca aaaaggcagc agcaacacct gccaagaaga cagttacacc agccaaagca 420 382 gttaccacac ctggcaagaa gggagccaca ccaggcaaag cattggtagc aactcctggt 480 384 aagaaggtg ctgccatccc agccaagggg gcaaagaatg gcaagaatgc caagaaggaa 540 386 gacagtgatg aagaggagga tgatgacagt gaggaggatg aggaggatga cgaggacgag 600 388 gatgaggatg aagatgaaat tgaaccagca gcgatgaaag cagcagctgc tgcccctgcc 660 390 tcagaggatg aggacgatga ggatgacgaa gatgatgagg atgacgatga cgatgaggaa 720 392 gatgactetg aagaagaage tatggagaet acaccageca aaggaaagaa agetgcaaaa 780 394 gttgttcctg tgaaagccaa gaacgtggct gaggatgaag atgaagaaga ggatgatgag 840 396 gacgaggatg acgacgacga cgaagatgat gaagatgatg atgatgaaga tgatgaggag 900 398 gaggaagaag aggaggagga agagcctgtc aaagaagcac ctggaaaacg aaagaaggaa 960 400 atggccaaac agaaagcagc tcctgaagcc aagaaacaga aagtggaagg cacagaaccg 1020 402 actacggett teaatetett tgttggaaac etaaaettta acaaatetge teetgaatta 1080 404 aaaactggta tcagcgatgt ttttgctaaa aatgatcttg ctgttgtgga tgtcagaatt 1140 406 ggtatgacta ggaaatttgg ttatgtggat tttgaatctg ctgaagacct ggagaaagcg 1200 408 ttggaactca ctggtttgaa agtctttggc aatgaaatta aactagagaa accaaaagga 1260 410 aaagacagta agaaagagcg agatgcgaga acacttttgg ctaaaaaatct cccttacaaa 1320 412 gtcactcagg atgaattgaa agaagtgttt gaagatgctg cggagatcag attagtcagc 1380 414 aaggatggga aaagtaaagg gattgcttat attgaattta agacagaagc tgatgcagag 1440 416 aaaacctttg aagaaaagca gggaacagag atcgatgggc gatctatttc cctgtactat 1500 418 actggagaga aaggtcaaaa tcaagactat agaggtggaa agaatagcac ttggagtggt 420 gaatcaaaaa ctctggtttt aagcaacctc tcctacagtg caacagaaga aactcttcag 1620 422 gaagtatttg agaaagcaac ttttatcaaa gtaccccaga accaaaatgg caaatctaaa 1680 424 gggtatgcat ttatagagtt tgcttcattc gaagacgcta aagaagcttt aaattcctgt 1740 426 aataaaaggg aaattgaggg cagagcaatc aggctggagt tgcaaggacc caggggatca 1800 428 cctaatgcca gaagccagcc atccaaaact ctgtttgtca aaggcctgtc tgaggatacc 1860 430 actgaagaga cattaaagga gtcatttgac ggctccgttc gggcaaggat agttactgac 1920 432 cgggaaactg ggtcctccaa agggtttggt tttgtagact tcaacagtga ggaggatgcc 1980 434 aaggaggcca tggaagacgg tgaaattgat qqaaataaaq ttaccttqqa ctqqqccaaa 2040 436 cctaagggtg aaggtggctt cgggggtcgt ggtggaggca gaggcggctt tggaggacga 2100 438 ggtggtggta gaggaggccg aggaggattt ggtggcagag gccggggagg ctttggaggg 2160 440 cgaggaggct tccgaggagg cagaggagga ggaggtgacc acaagccaca aggaaagaag 2220 442 acgaagtttg aatagettet gteeetetge ttteeetttt eeatttgaaa gaaaggaete 2280 444 tggggttttt actgttacct gatcaatgac agagccttct gaggacattc caagacagta 2340 446 tacagtectg tggteteett ggaaateegt etagttaaca ttteaaggge aatacegtgt 2400 448 tggttttgac tggatattca tataaacttt ttaaagagtt gagtgataga gctaaccctt 2460 450 atctgtaagt tttgaattta tattgtttca tcccatqtac aaaaccattt tttcctac 2518 453 <210> SEQ ID NO: 6 454 <211> LENGTH: 3677

455 <212> TYPE: DNA

456 <213> ORGANISM: Homo sapiens

364 <212> TYPE: DNA

VERIFICATION SUMMARY DATE: 03/31/2006 PATENT APPLICATION: US/10/572,905 TIME: 12:20:42

Input Set : A:\127189seqlisttext-mlm.txt Output Set: N:\CRF4\03292006\J572905.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date